

REMARKS

Reconsideration of this application, in view of the foregoing amendments and the following remarks, is respectfully requested.

Claim Objections

Claim 13 has been objected to for containing informality. Claim 13 has been amended to remove the informality.

Drawing Objections

The drawings are objected to under 37 CFR 1.83(a). The Examiner has stated that “the combining arrangement, the set of electrical connections and the low pass filter must be shown or canceled from claims 1, 9, 10, 11, 12, 13, and 17.” Applicants respectfully traverse this objection and would like to respectfully point to the Examiner that each and every element identified by the Examiner is clearly shown in the drawing and described in the corresponding text.

For Example, the combining arrangement as recited in claim 1 is defined by claim 9 as including a set of electrical connections joining corresponding outputs of the plural current setting DACs. Figures 3A-B clearly shows that the outputs of DACs 311, 312, 361 and so on are combined using electrical connections. One skilled in the art will have no difficulty in recognizing the fact that lines shown combining the outputs of DACs are set of electrical connections.

Further as to the low-pass filter, figure 2 clearly and distinctively shows an optional simple filter 202, which is described in the text as optional low-pass filter. Applicants believe that drawings clearly and distinctively show every feature recited in claims. Accordingly, figures 1-5B clearly describe all features for one skilled in the art.

Election of Species

Claims 1-20 have been subjected to restriction requirement under 35 U.S.C. 121.
Applicants respectfully traverse these restrictions.

The Examiner has stated that:

“This application contains claims directed to the following
patentably distinct species of the claimed invention:

A first species depicted in Figure 3A, readable upon at
least claims 2, 3

A second species depicted in Figure 3B, readable upon at
least claims 4, 5, 6, 7, 19, and 20.” (Emphasis added).

Applicants respectfully point to the Examiner that Figures 3A and 3B are directed to different embodiments of the same invention. In fact, claim 1 includes both embodiments of the invention. For Example, claim 1 recites “plural current steering digital-to-analog converters.” The term “plural” as understood by one skilled in the art refers to a quantity that is at least more than one. Figure 3A shows at least two DACs and figure 3B shows “N” DACs. Both embodiments shown in figures 3A and 3B are encompassed by claim 1. Further, as described in the specification, the number of clock phases corresponds to the number of DACs used. Thus, two phase clock will use two DACs as shown in figure 3A and any other number of phases will use number of DACs accordingly as shown in figure 3B. Therefore, figures 3A and 3B describe a single invention. Accordingly, Applicants respectfully request the withdrawal of election requirement.

In alternative, Applicants elect second species described in figure 3B with traverse.

Respectfully submitted,



Abdul Zindani
Attorney for Applicant
Reg. No. 46,091

Texas Instruments Incorporated
P.O. Box 655474, MS 3999
Dallas, TX 75265
(972) 917-5137

TI-36613 - 6 -